

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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CATEGORY: Air Sampling Smoke Detector

LISTEE: Kidde-Fenwal, Inc., 400 Main Street, Ashland, MA 01721
Contact: Terrill Garland (508) 881-2000

DESIGN: Model ORION XT HIGH SENSITIVITY SMOKE DETECTION SYSTEM (HSSD). The detectors are designed for medium size applications with a 20,000 square foot maximum coverage and contains a single inlet and outlet port. The maximum volume of air passing through the detector is only limited by the amount of sampling pipe and holes allowed in the piping network and the speed of the fan. Refer to listee's data sheet for additional detailed system description and operational considerations. Components listed below:

297101	Detector Assembly
297102	LCD Display
297103	PEGAsys Addressable Loop Module
297104	Power Supply
297120	OCS Software
297121	SNIFF Software

RATING: Power Supply UNIT: 120/240VAC Primary, 24 VDC Secondary
ORION XT: 24VDC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction. The sampling points should be installed at a location where they will receive the products of combustion produced by a fire anywhere in the protected area. Consideration should be given to such features as normal ventilation and air conditioning which would affect the sensitivity.

MARKING: Listee's name, product identification and UL label.

APPROVAL: Listed as an air sampling smoke detector system for use with any separately listed compatible control unit. Also suitable for open area protection with a maximum air transport time of no more than 180 seconds. Authority having jurisdiction should be consulted prior to installation.

07-27-2002 BH



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JULY 27, 2002**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND**, Senior Deputy
Program Manager